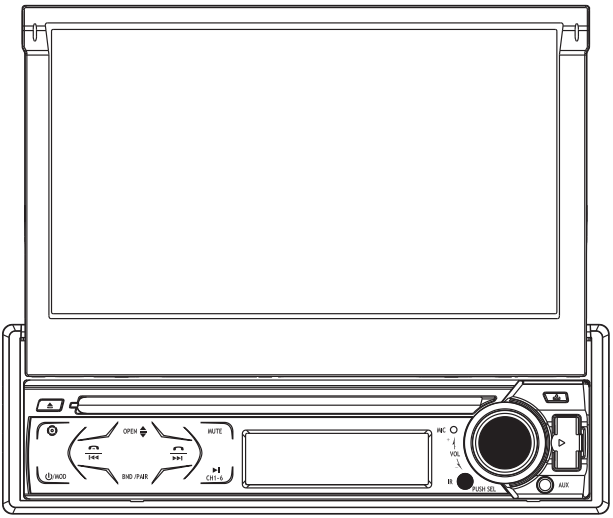
AVH-9000NAV

USER MANUAL



CAR AUDIO/VIDEO SYSTEM

- Motorized foldout Monitor
- 7 Inch Wide Color TFT Touch Screen
- Detachable Control Panel
- Remote Control
- Digital Video Disc Player
- Control Panel USB Port and AUX Input
- SD/MMC Card Slot
- AM/FM Digital PLL Tuning Radio
- Built-in TV Tuner
- BT A2DP & AVRCP compitable
- GPS Navigation System

PRECAUTION

Prohibition

This product incorporates copyright protection technology that is protected by U.S patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.

Class 1 laser product

This car multi-media player is a class 1 laser product. However This car multi-media player uses a visible/invisible laser beam which could cause . Hazardous radiation exposure if directed.

Be sure to operate the car multi-media player correctly as instructed. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

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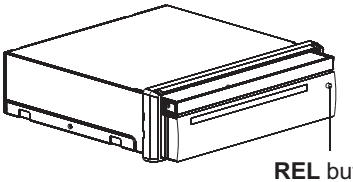
INSTALLATION STEPS

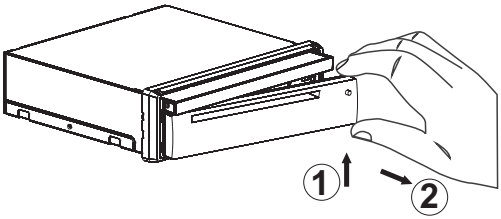
1. Remove the chassis from Slide Bracket Housing;

1) Press the REL button to release the control panel ;



REL button

2) Hold the right side of the control panel to pull it upwards a little and then to you for removing it ;



3) Remove the PLASTIC FRAME from the chassis (see the Installation diagram);

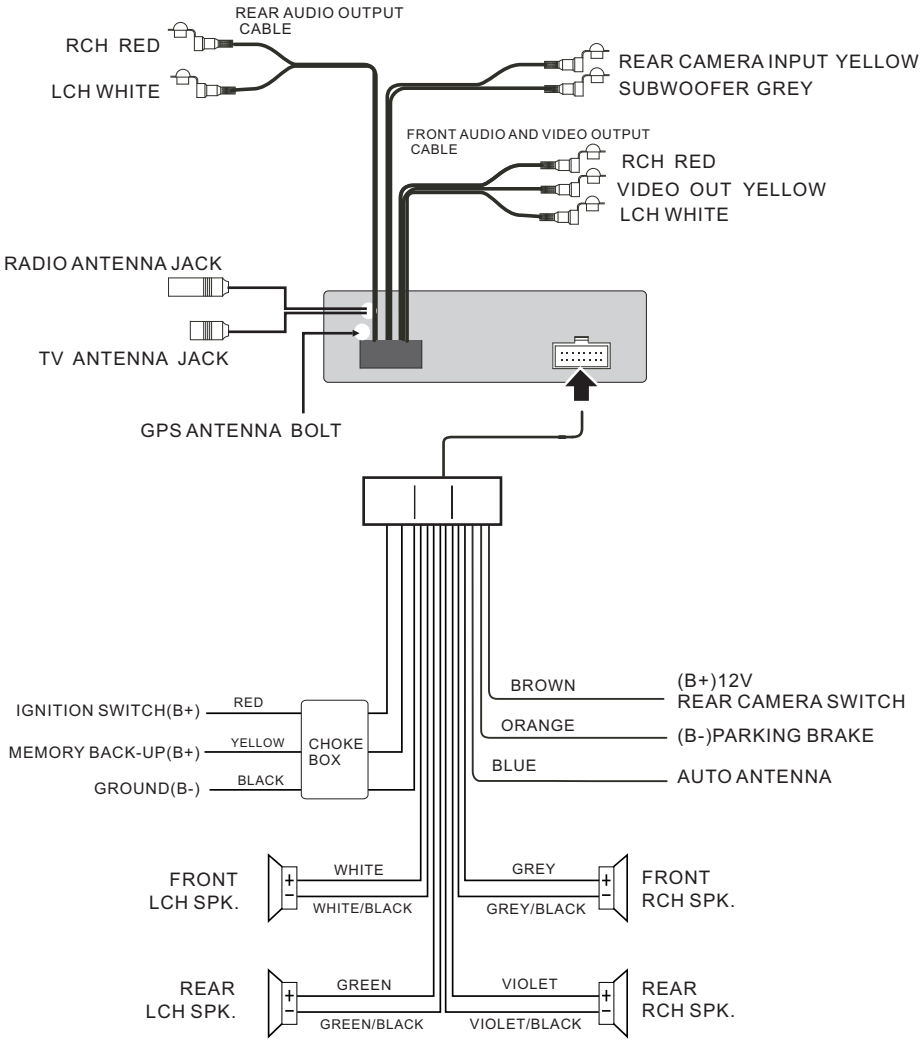
4) Insert the 2 KEY PLATES into the grooves at the both sides of the chassis till they click(see the Installation diagram);

5) Pulling the two KEY PLATES to remove the chassis from the Slide Bracket Housing ;

2. Mount the Sliding Bracket Housing in the position of car multi-media system and bend some tabs of Sliding Bracket Housing to fix it.

3. Connecting all wires:

1) Connecting all wires according ot the wiring diagram on next page;



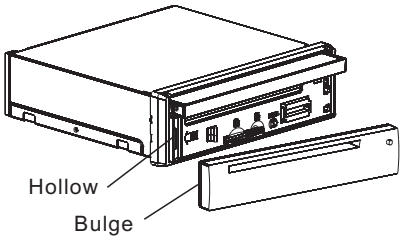
WIRING DIAGRAM

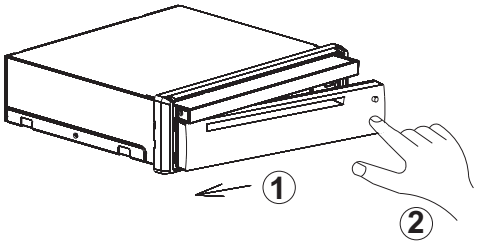
NOTE:
1. Must use 4 ohms impedance of speakers.
2. After connecting parking Line, video on screen of control panel will be displayed only after applying parking brake.
3. Before finishing wiring, do not attach control panel onto chassis.

2) Attaching the control panel onto the chassis;

(1) Insert the left side of the control panel into the hollow of the chassis .
(NOTE : the “bulge” point on the control panel must be attached into the hollow of the chassis .)

(2) Gently push the right side of the control panel till you feel a “ Click” .





3) Testing it for making sure that it can work properly .

4. Installing chassis according to the installation diagram on next page:

1) Insert the chassis of the car multi-media system into the Sliding Bracket Housing.

2) Use the metal strap to fix the rear part of chassis.

* Uninstalling the chassis:

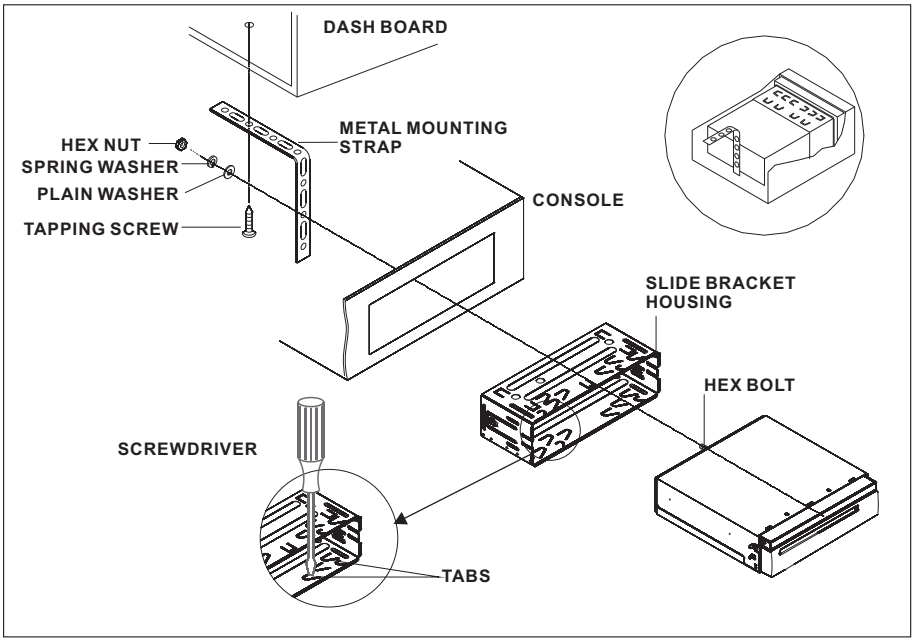
1) Remove the metal strap from the chassis ;

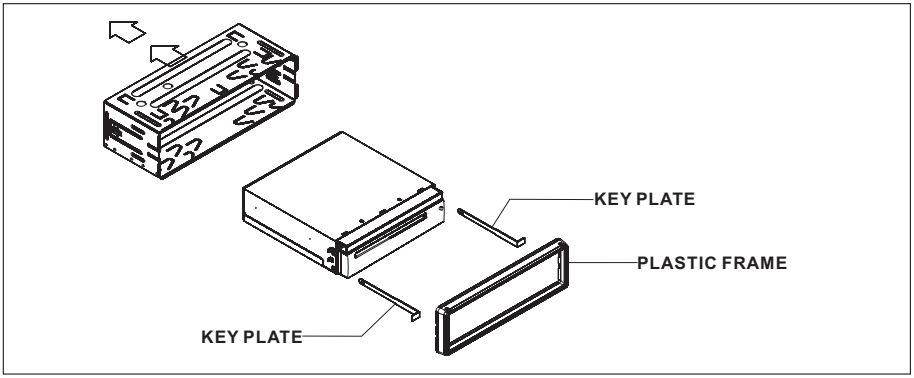
2) Remove the control panel from the chassis;

3) Remove the plastic frame from the chassis;

4) Insert 2 key plates into the left and right sides of the chassis and draw the chassis out of the sliding bracket housing.

Installation Diagram



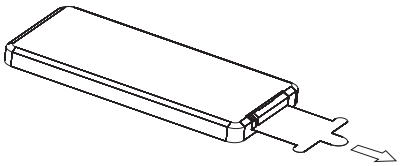


If you want to take CHASSIS out of the SLIDE BRACKET HOUSING, first remove the PLASTIC TRIM OUT of the both sides away, then insert the two KEY PLATE into left and right side of chassis as above illustration.

GENERAL KNOWLEDGE ABOUT REMOTE CONTROL

1. Removing insulating sheet

If using remote control for the first time, you can see an insulating sheet at the bottom side of remote control as right.



you must remove the insulating sheet as right. Otherwise, the remote control is disabled.

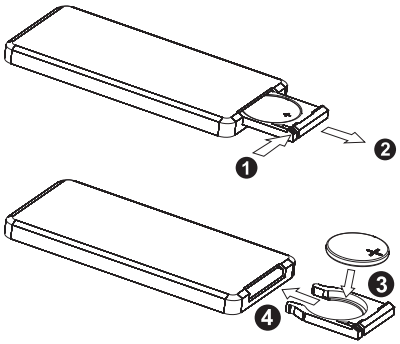
2. Replace lithium cell

If the electric energy of lithium cell is weak, replace it.

1) Press and hold the movable block as direction indicated by arrow 1 as right, at one time pull cell holder out of remote control as direction indicated by arrow 2 as right.

2) Replace the old cell by a new one with (+) polarity side upward as right.

3) Insert the cell holder into remote control again as right.



3. Note about using remote control

1) You should face the emitting window of remote control towards the sensor window of the unit.

2) Operation angle for front panel: About 30 degree

3) The distance between the emitting window of remote control and the sensor window of the unit : < 5M .

4. Warning for lithium cells of remote control

1) Cell leakage may cause damage to remote control.

2) Do not throw cells into fire, it may cause explosion.

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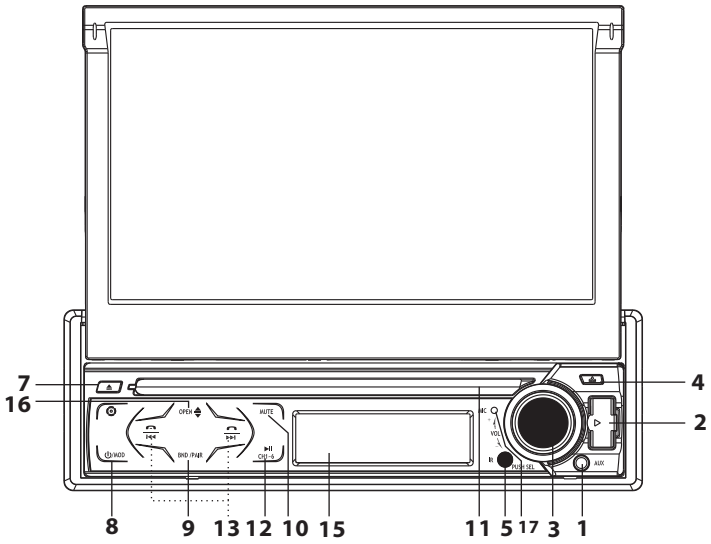
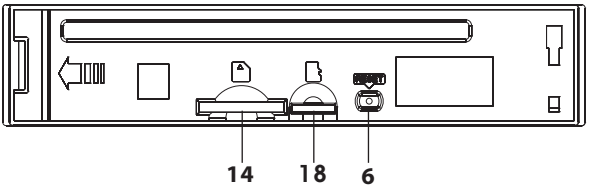
3.To avoid risk of accident, keep cells out of reach of children.

Locations and Names of Controls on Main Unit



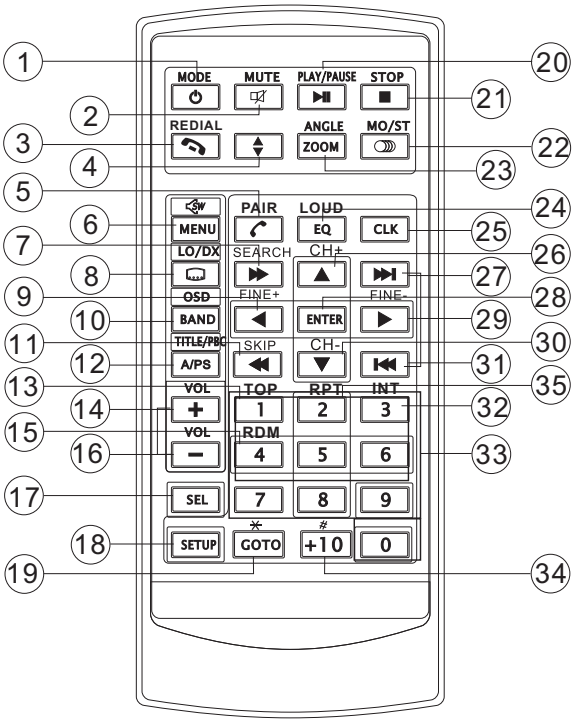
Control Panel



Sliding Plate diagram after removing Control Panel

1. AUX IN JACK（A/V)
2. USB PORT and COVER
3. SEL BUTTON and VOL KNOB
4. REL BUTTON
5. IR SENSOR WINDOW
6. RESET BUTTON
7. EJECT BUTTON
8. POWER/MODE BUTTON
9. BAND/PAIR BUTTON
10. MUTE BUTTON
11. Disc Slot
12. >|| or CH1-6 BUTTON
13. |<</ and >>|/ BUTTONS
14. SD/MMC CARD SLOT
15. LCD SREEN
16. OPEN/MONITOR-ANGLE BUTTON
17. MICROPHONE
18. GPS CARD SLOT

Locations and Names of Controls on Remote Control



1. POWER/MODE BUTTON
2. MUTE BUTTON
3. HANG UP or REDIAL BUTTON
4. MONITOR-ANGLE BUTTON
5. CALL or PAIR BUTTON
6. MENU or SW BUTTON
7. >> or SEARCH BUTTON
8. SUBTITLE or LO/DX BUTTON
9. < or FINE+ BUTTON
10. BAND or OSD BUTTON
11. << or SKIP BUTTON
12. A/PS or TITLE/PBC BUTTON
13. TOP BUTTON
14. VOL+ BUTTON
15. RDM BUTTON
16. VOL- BUTTON
17. SEL BUTTON
18. SETUP BUTTON
19. GOTO or * BUTTON
20. >|| BUTTON
21. STOP BUTTON
22. AUDIO or MO/ST BUTTON
23. ZOOM or ANGLE BUTTON
24. EQ or LOUD BUTTON
25. CLK BUTTON
26. ^ or CH+ BUTTON
27. >>| BUTTON
28. ENTER BUTTON
29. > or FINE- BUTTON
30. V or CH- BUTTON
31. |<< BUTTON
32. INT BUTTON
33. NUMBER(0~9) BUTTON
34. +10 or # BUTTON
35. RPT BUTTON

Same functions in any work source mode

1. POWER button
   In power off mode, pressing POWER button on remote control or pressing POWER button on control panel powers on main unit.

   In power on mode, long pressing POWER button on control panel or on remote control powers off main unit.

2. VOL knob & VOL+/VOL- buttons
   To adjust volume level, rotate VOL knob on control panel or press or hold VOL+ or VOL- button on remote control.

3. SEL button
   To switch between TREBLE,BASS,BALANCE, FADER,COLOR,BRIGHTNESS,CONTRAST, TINT and VOLUME, briefly and repeatedly press SEL button.

   After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

   To switch between BT, LOUD, SWF VOL, SWF FREQ,EQ, DX/LOCAL(in radio mode), STEREO/ MONO(in radio mode), CLOCK FORMAT, CLOCK, BUZZER,FREQ AREA and TV SYSTEM, long press SEL button to switch on BT, then briefly and repeatedly press SEL button.

   After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

4. MUTE button
   To switch MUTE mode on or off, press MUTE button on remote control or press MUTE button on control panel.

5. EQ button
   To select a desired preset EQ mode from JAZZ, CLASSIC, POP, ROCK and USER, press EQ button on remote control continuously.

6. To switch LOUD mode
   To switch LOUD mode between LOW, MIDDLE, HIGH and OFF, long press LOUD button.

7. SW button
   To switch SWF FREQ between 80HZ, 120HZ and 160HZ, long press SW button on remote control.

8. CLK button
   Press CLK button on remote control to display clock time .

9. OPEN and ▲▼ buttons
   To slide the monitor out and stand it up or into the monitor slot, press OPEN button on control panel or press ▲▼ button on remote control;

10. ▲▼ button
    To adjust the angle of the monitor, long press ▲▼ button on remote control or on control panel .

11. MODE button and source menu
    To switch work source between RADIO, DISC(after inserting a disc), USB(after inserting a USB storage), CARD(after inserting a card), TV, AUX IN and BT MUSIC, press MODE button on remote control or press MODE button on control panel continuously.

    During disc(non-CD)/USB/card playback, touch screen to pop up Function Icons-board and then touch the icon in the Function Icons-board to enter the display status of the source menu before entering Disc/USB/Card mode(refer to Disc/USB/Card Operation) .

    During AUX or TV playback, touch screen to pop up AUX or TV interface and then touch AUX or TV icon to enter the display status of the source menu before entering AUX or TV mode(refer to AUX operation and TV operation).

    In radio, BT music or CD mode, touch RADIO, BT or DISC icon to enter the display status of the source menu before entering radio, BT music or CD mode(refer to Radio Operation, BT Operation and Disc/USB/Card Operation).

The source menu displays as follows:

Source Menu

In the top column, clock time displays in the middle of it;

In the bottom column, they are the icons of MAIN, TOOL, GAME, SETUP, RADIO and GPS.

In the middle column, they are the sub-icons of MAIN, TOOL and GAME as follows:

MAIN: AUX, TV, DISC, BT MUSIC, BT PHONE, USB, SD CARD;

TOOL: MEDIA, PHOTO, VIEWER, CAL,DAY;

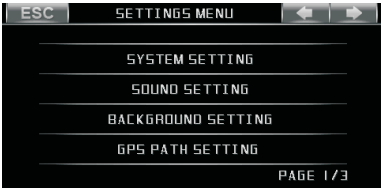
GAME: MINE, LINK, FIVE CHESS,BW CHESS, MOLE.

Touching any place in the middle column and sliding leftwards or rightwards can make the sub -icons move leftwards or rightwards and stay at your desired position

Touch one icon in the source menu to enter one work source of RADIO, DISC, USB, CARD, TV, AUX, BT MUSIC and others.

12.SETUP icon

In source menu, touch SETUP icon to display page1 of SETTINGS MENU as follows:



Page1 of SETTINGS MENU

Page2 of SETTINGS MENU

In the SETTINGS MENU, the icons on them descript as follows:

: to next page.
: to previous page.
ESC : to source menu.
Setting Items : to enter the setting item.

Page3 of SETTINGS MENU

In the SETTINGS MENU, there are 8 setting items in all. Touch one setting item to enter the setting item page. The icons on the setting item page descript as follows:

: to next page.
: to previous page.
Back : to the page that the setting item belongs to.
Setting Items : to set the sub-item.
: to increase the value.
: to decrease the value.

1) SYSTEM SETTING

Page1 of SYSTEM

Page2 of SYSTEM

(1) TV SYSTEM
It is for setting the color system for TV.

(2) BT
It is for switching BT mode ON or OFF.

(3) RESET SYSTEM
It is for restoring all user setting to zero.

(4) BRIGHT
It is for setting brightness.

(5) CONTRAST
It is for setting contrast.

(6) COLOR
It is for setting color.

(7) TINT
It is for setting tint.

2) SOUND SETTING

Page1 of SOUND

Page2 of SOUND

(1) RADIO L/D
It is for switching between LOC and DX.

(2) STEREO
It is for switching between MONO and STEREO.

(3) SWF VOL
It is for setting SWF volume.

(4) SWF FREQ
It is for setting SWF frequency.

Page3 of SOUND

(5) LOUDNESS
It is for setting LOUDNESS mode.

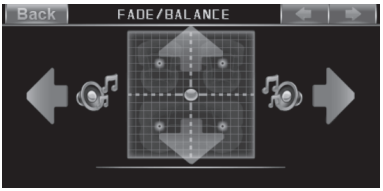
(6) SOUND EFFECT
It is for setting EQ mode.

(7) TREBLE
It is for setting the value of treble .

(8) BASS
It is for setting the value of bass.

(9) FADE/BAL
After entering the sub-item, it displays as right:

Touching any place in the rectangle except the middle column sets the value of the balance; touching any place in the middle column sets the value of fade.



FADE/BALANCE

(10) TOUCH BEEP
It is for switching touch beep ON or OFF.

3) BACKGROUND SETTING

BACKGROUND

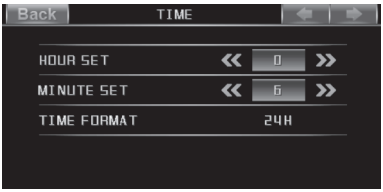
It is for setting the background of the No Video interface for RADIO, CD, NON-CD DISC/USB /CARD, AUX IN, TV and BT MUSIC .

4) GPS PATH SETTING

GPS PATH

It is for setting GPS path to enter GPS navigation mode. Please refer to the part of GPS navigation for detailed GPS path setting operatoin.

5) TIME SETTING



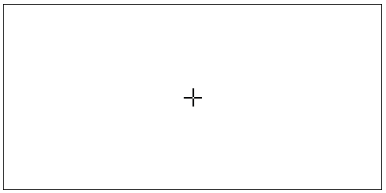
TIME

(1) HOUR SET
It is for setting the hour of the clock time.

(2) MINUTE SET
It is for setting the minute of the clock time.

(3) TIME FORMAT
It is for setting the time format of the clock time.

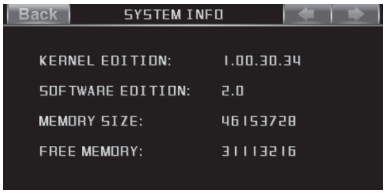
6) TOUCH SETTING



TOUCH SCREEN CALIBRATION

It is for calibrating touch screen. Precisely and repeatedly tap the center of the cross cusor till it exit calibration interface.

7) INFO SETTING



SYSTEM INFO

It is for viewing the system information such as: name, version, memory size and free momery.

8) SKIN SETTING

SKIN

It is for setting the skin color of those immanent interfaces.

9) ANGLE SETTING
It is for setting the angle of the control panel.

13.RESET button
When LCD displays wrongly or some buttons are not available or sound is distorted, press REL button to detach the control panel and remove it, then use the sharp end of a pointed object to press RESET button on the chassis face to reset the program to zero.

14.REL button
To detach control panel, press REL button on control panel.

After detaching control panel, hold the right part of the control panel and pull it upwards a little and then to you can remove it from chassis.

Radio Operation

1. To enter RADIO mode(MODE button or RADIO icon)
   When you use MODE button or source menu (tapping RADIO icon) to enter RADIO mode, it will display radio interface as follows:

Radio interface

Radio interface with 1~6 icons interface

* Some icons on radio interface correspond with the buttons on remote control or control panel as follows:

and icons = VOL- and VOL+ buttons = VOL knob
MUTE icon = MUTE button
List icon : to display 1~6 icons interface in the left side of the radio interface.
EQ icon = EQ button
RADIO icon: To enter source menu
GPS icon : refer to the part of the GPS operation
MAP icon : refer to the part of the GPS operation

2. To switch between bands (BAND)
   The BAND icon or button can switch between bands of FM1, FM2, FM3, MW1 and MW2, and the word FM1,FM2,FM3,MW1 or MW2 will be displayed on screen.

3. To search for a station (<< and >> icons or v and ^ or |<< and >>| buttons)

1) Long touching << or >> icon or long pressing v or ^ button on remote control or long pressing |<< or >>| button on control panel can automatically search down or up for an available station beginning from the current frequency.

2) Briefly touching << or >> icon or briefly pressing v/^ or |<</>>| button can manually search down or up for a your desired station beginning from the current frequency.

4. To preset and scan all memory stations (APS icon or A/PS button)

1) When long touching APS icon or long pressing A/PS button, the radio searches from the lowest frequency and checks the signal strength level until 1 cycle search is finished, and the 6 strongest stations are preset to corresponding preset number memory bank for the current band.

   The presetting function can be implemented in selected FM or AM band. (It can presets 3x6 stations for FM and 2x6 stations for AM in all)

2) When briefly touching APS icon or briefly pressing A/PS button, the radio scans for each preset station in FM or AM band from NO.1 bank, each preset station broadcasts for 5 seconds. After finishing a circle of scanning, it will resume broadcasting the station in NO.1 bank.

   NOTE: In FM band, FM1,FM2 and FM3 are preset and scaned as one band at a time; In AM band, AM1 and AM2 are preset and scaned as one band at a time.

5. To preset and listen to a memory station(1~6 icons or 1~6 buttons or CH1-6 button)

1) Long touching one of 6 number(1~6) icons or long pressing one of 6 number(1~6) buttons can preset the current broadcasting station of the current band in the number memory bank; .

2) Briefly touching one of 6 number(1~6) icons or briefly pressing one of 6 number(1~6) buttons can listen to the memory station in the current band preset in the number memory bank.

* CH1-6 button:

1)To preset a station in a memory bank with CH1-6 button, first select a desired band; then press CH1-6 button to select a desired memory bank; and then search for a desired station; finally long press CH1-6 button to store the station in the memory bank.

2)To listen to a preset station with CH1-6 button, first switch on a desired band, then continuously press CH1-6 button highlight and listen to it.

6. To switch on between stereo and mono mode (MO/ST button)
Press MO/ST button on remote control to select STEREO or MONO mode for FM band.

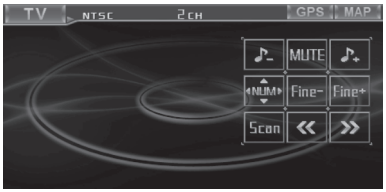
When the STEREO mode is activated, it can get better audio effect; when the MONO mode is activated, it can get clearer audio signal.

7. To switch on between local and distance mode (LO/DX button)
Press LO/DX button to turn LOC on to tune for local stations with weak interference;
Press LO/DX button to turn DX on to tune for distance stations with stronger signal.

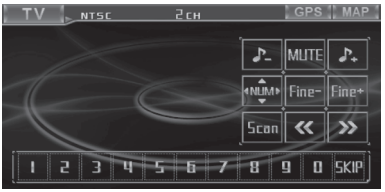
TV Operation

1. To enter TV mode (MODE button or TV icon)
   When you use MODE button or source menu(tapping TV icon) to enter TV mode, first it displays TV interface, and broadcastes program after a while.

   During TV broadcasting, touching any place on touch screen can pop up TV interface as follows:



TV interface



TV interface with number/SKIP icons interface

and icons = VOL- and VOL+ buttons = VOL knob
MUTE icon = MUTE button
NUM icon : to display number/SKIP icons interface in the bottom side of the TV interface.
TV icon: To enter source menu.
GPS icon : refer to the part of the GPS operation
MAP icon : refer to the part of the GPS operation

2. To search and save TV channels(SCAN icon or SEARCH button)
   Touching SCAN icon or pressing SEARCH button can search for all available channels from the lowest frequency to highest frequency. After searching for a circle, it will stop searching and broadcast the available channel with the lowest frequency and all the available channels from the lowest frequency to the highest frequency will be saved.

3. To select a desired channel with an available station (<< and >> icon or CH- and CH+ or |<< and >>| buttons)

   Touching << or >> icon or pressing CH+/CH- on remote control or |<</>>| button on control panel can select the channels with available stations.

4. To select a desired channel (0~9)
   Use the 0~9 icons or the 0~9 buttons to directly select the channel.

* the +10 button is not available.

5. To fine tune the current channel(FINE- and FINE+)
   Touching FINE- or FINE+ icon or pressing FINE- or FINE+ button to fine fune for better signal.

6. To add or delete a channel(SKIP)
   After searching channels automatically, the CH+/CH- buttons and >/< icons can select only the channels with available signal.

1) Add Channels
   Use the number buttons to select a channel, then press SKIP button or touch SKIP icon, the screen will display SAVE, the channel will be available for the CH+/CH- buttons and >/< icons.

2) Skip Available Channels
   Use the CH+/CH- buttons or >/< icons to select a channel you want to skip for the CH+/CH- buttons and >/< icons, then press SKIP button or touch SKIP icon, the screen will display SKIP, the channel will be skipped for the CH+/CH- buttons and >/< icons.

BT Operation

1. Pairing and Connecting

Prior to using the BT device named BC_HF_V03 as a handfree system for a BT-enabled mobile phone for the first time, you must pair and connect them as follows:

* Prior to pairing and connecting, when displaying No Video interface of radio, CD, non-CD disc, USB, card, TV, AUX IN or BT music, BT logo flashes in the top left corner of touch screen.

* During using the BT device named BC_HF_V03 as a handfree system for a BT-enabled mobile phone, place the BT-enabled mobile phone 3 meters from the Car A/V System;

1) Touch icon on BT PHONE interface in the BT PHONE part or long press PAIR button on remote control or on control panel to display BT logo;

2).Switch on the BT mode of your mobile phone; then select the item to find a BT device and enter it; When it finds the BT device of the car A/V system, the name BC_HF_V03 will be displayed, select it and enter it; then it will show an interface that asks you to input a password, input 8888 and enter it; then it will pair and connect with the BT device BC_HF_V03 of the car A/V system, Confirm it, then BT logo displays all the time.

* When finishing pairing and connecting, the audio of the mobile phone transfers to the car audio system whenever a call is made or received or the mobile phone plays music.

2. BT PHONE

1) Make a call

(1) Dial with mobile phone directly;

(2)Dial with the controls on BT PHONE interface or on remote control or on control panel

a. Touch the BT PHONE icon on source menu or long press button on control panel or long press button on remote control to pop up BT PHONE interface as follows:

: to strengthen the pairing signal.

: to exit BT PHONE interface.

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b. Use the number icons or buttons to input your desired phone number;

* When inputting a wrong digit, use icon or < button to delete it.

c. After finishing inputting, touch icon or press button on control panel or press button on remote control to dial out.

2) Redial last dialed phone number

Touch icon or long press button on control panel or long press button on remote control to dial out the last dialed phone number.

3) Answer a call

During ringing, the incoming telephone number displays in the middle of the top column of the BT PHONE interface. If you want to receive it, touch icon or press button on control panel or press button on remote control; if you want to reject it, touch icon or press button on control panel or press button on remote control.

4) End phone talking

When you want to end phone talking, touch icon or press or button.

5) Switch audio between car A/V system and mobile phone

During phone talking using the BT handfree system of the car A/V system, if you want to change the phone audio to your mobile phone, touch icon or press button on control panel or press button on remote control.

During phone talking using the mobile phone, if you want to change the phone audio to the the car A/V system again, touch iocn or press or button.

6) Adjust volume level during phone talking

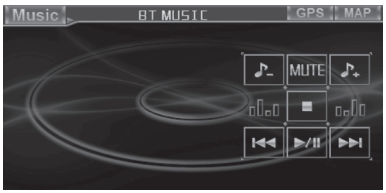
During phone talking, use and icon or VOL knob or VOL+ and VOL- buttons to adjust volume level.

* *** / # icons and buttons**

they perform as * / # buttons on mobile phone.

3. BT MUSIC

1) Touching BT MUSIC on source menu or pressing MODE button can pop up BT MUSIC interface as follows:



and icons = VOL- and VOL+ buttons = VOL knob

MUTE icon = MUTE button

icon = button

icon = button

and icons = and button

MUSIC icon: To enter source menu.

GPS icon : refer to the part of the GPS operation

MAP icon : refer to the part of the GPS operation

2) When using your mobile phone with BT function to play audio/video, if it is paired and connected with the BT device of the car A/V system, the audio of the mobile phone will change into the car A/V system.

The BT device of the car A/V system support A2DP, if your mobile phone with BT function support A2DP, the car A/V system can output stereo audio from your mobile phone.

3) The BT device of the car A/V system supports AVRCP, so these icons on the BT MUSIC interface except MUSIC/GPS/MAP and their corresponding buttons on control panel or on remote control are available for audio/video playback of your mobile phone during playback. But no fast forward/backward functions for |<</>>| icon and buttons, and the function of resume playback after pausing or stopping is available only for some mobile phone.

* If you don't want to use the BT function of the car A/V system , long press SEL button to display BT, then use VOL knob or VOL+ and VOL- buttons to switch BT off .

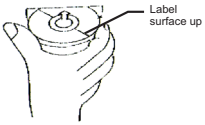
Disc/USB/Card Operation

1. Loading or unloading a disc, USB or card

1.1 Loading a disc, USB or card

To play files in a disc, insert a disc with label surface up into disc slot. it will automatically play.

* **CAUTION OF USING DISC**



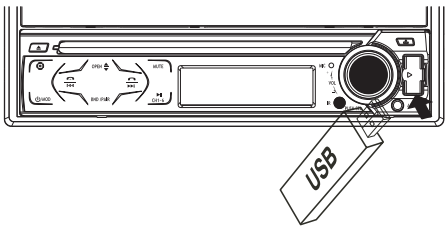
1) Handle a disc by its edge, do not touch the surface of play side

2) Before inserting disc, wipe the disc outwards from the disc center with a clean, soft, dry, lint-free cloth. Do not use solvents /thinner such as petrol/benzine, cleaner.

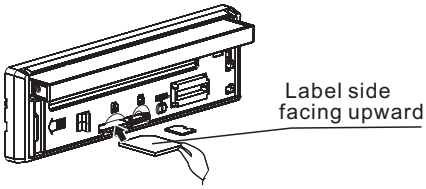
3) After taking a disc out of disc slot, put the disc inside disc case to keep it clean.

4) Do not stick paper or tape on the disc surface of play side. If there is glue (or analog) on the disc surface, must wipe it up before using.

To play files in a USB, firstly open USB port cover, then insert USB storage into USB port, and then it will play files in the USB automatically.



To play files in a card, firstly press REL button to detach control panel, then hold the right part of the control panel and pull upwards a little and to you to remove it, and then insert the card with label side upward and contact end frontward into card slot as the following fig., and then attach control panel onto chassis again, by now it will play files in the card automatically .



Press in till heard a **"CLICK"**

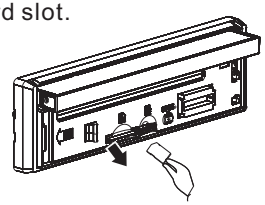
1.2 Unloading a disc, USB or card

To unload the disc in disc slot, use STOP button to stop playback and then press ▲ button to eject disc, then remove it.

To pull away the USB storage, use STOP button to stop playback, then you can remove the USB storage.

To unload the card in card slot, use STOP button to stop playback, then press REL button to detach control panel and then hold the right part of the control panel and pull upwards a little and then to you to remove it, and then you can push the card for release it and then pull it out of card slot.

Press in till heard a **"CLICK"**



Remove the memory card

* During MP3/WMA playback, the information of file, folder, title, artist and album will be scrolling on LCD display. As long as the current playing MP3/WMA music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on LCD display; otherwise, they will not.

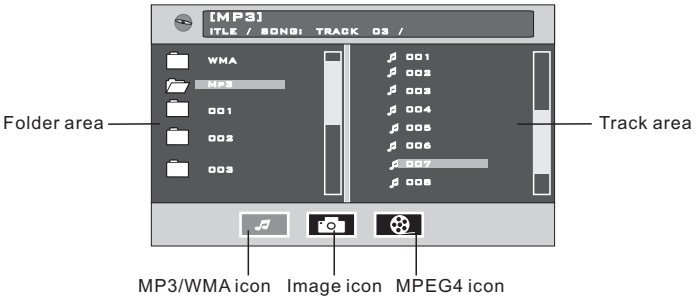
* There is ESP function for all formats of discs.

2. Popping up Function Icons-board

2.1 Function Icons-board of Digital Video/VCD/MPEG4/Image/MP3/WMA

During Digital Video/VCD/MPEG4/Image playback, tapping any place on touch screen can pop up Function Icons-board 1 as next page, then tap icon to pop up Function Icons-board 2 as next page.

During MP3/WMA playback, tapping any place except folder area, track area and MP3/WMA&Image&MPEG4 icons can pop up Function Icons-board 1 same as one of Digital Video/VCD/MPEG4/Image, then tap icon to pop up Function Icons-board 2 same as one of Digital Video/VCD/MPEG4/Image.



The Function Icons-boards display as follows:

Function Icons-board 1

Function Icons-board 2

* Some icons on the Function Icons-boards descript as follows:

: Same as MUTE button.

: Same as VOL- button or rotating VOL knob with anti-clock wise.

: Same as VOL+ button or rotating VOL knob with clock wise.

: Poping up source Menu.

: Poping up Function Icons-board 2.

: Same as EQ button.

CLK : Same as CLK button.

LOUD : Same as long pressing EQ button.

SWF : Same as SW button.

: Poping up Function Icons-board 1.

: Poping up BT PHONE interface.

: Redialing the last phone number.

2.2 CD interface

During CD playback, the CD interface displays as follows:

* For Digital Video/VCD/MPEG4/Image/MP3/WMA, after loading disc/USB/card, the screen will also display this interface above. After a while, it will disappear and display video or image or root menu.

* Some icons on the CD interface descript as follows:

and icons = VOL- and VOL+ buttons = VOL knob

MUTE icon = MUTE button

Disc icon: To enter source menu

GPS icon : refer to the part of the GPS operation

MAP icon : refer to the part of the GPS operation

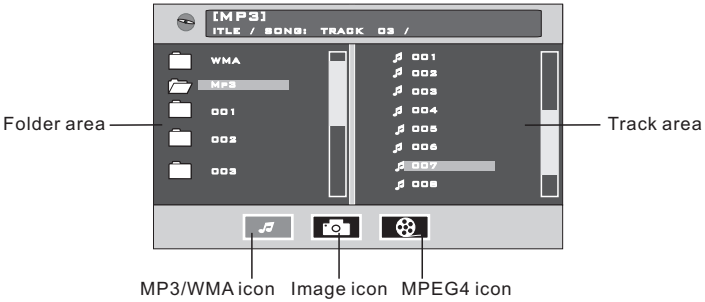
3. Function of controls on the touch screen/main unit/remote control

1. ⏯ icon or button
During playback, use it to pause playback; in pause mode, use it to resume playback.

In CD interface , the icon displays as ⏯ .

2. ⏹ icon or button
During Digital Video/VCD/CD/MP3/WMA playback, tapping or pressing it pre-stop or pause playback; in pre-stop or pause mode, use ⏯ icon or button to resume playback.
During playback, tapping or pressing it twice to fully stop playback; in fully stop mode, use ⏯ icon or button to start playback from the beginning of the media.

During MPEG4/image playback, use ⏹ icon or button to display root menu as follows:



During MP3/WMA playback, the root menu above displays all the time.

When displaying root menu, use < or > button to highlight the current chapter/track, the current folder or the kind icons.

* If there are no track/chapter for a kind icon, you can't highlight the kind icon.

When highlighting a kind icon, press ENTER button to enter it.

When highlighting the current folder, use v or ^ button to highlight other folders and then press ENTER button to enter it.

When highlighting the current track, use v or ^button to highlight other tracks and then press ENTER button to play it.

* For image, after highlighting a track, press ENTER button to display only the highlighted track; press >|| button to display all tracks step by step from the highlighted track.

* Tapping folder icon, track icon or kind icon can execute the operation above.

3. ⏮ / ⏭ icons or buttons
During playback, continuously tapping ⏮ or ⏭ icon or continuously pressing ⏮ or ⏭ button on remote control or continuously and long pressing ⏮ or ⏭ button

on control panel can fast backwards or forwards at the following multiple of normal speed: x2, x4, x8, x20, x1.
During fast playback, use ⏯ icon or button to resume normal playback.

For image files, no this function.

4. ⏮ / ⏭ icons or buttons
During playback, use one of them to play previous or next chapter/track.

5. Number buttons
During Digital Video/VCD(PBC OFF)/MPEG4/Image/CD/MP3/WMA playback, use number buttons to input chapter/track SN. , then it will play or display it.

To input a chapter/track with an SN that is equal to or bigger than 10, use the +10 button to input the digit in tens place and then use 0-9 button to input the digit in units order.
I.e. +10 ~ 1 = 11 (number 11 chapter/track will be displayed/played.)

During VCD playback, when it is in PBC ON mode, the number buttons are disabled.

6. MENU PBC icon and MENU button
During Digital Video playback, use MENU icon or button to display the current chapter list, then use direction buttons to select your desired chapter and then press ENTER button to play it.

For VCD, MENU button is disabled, track list is displayed on the monitor screen by pressing TITLE/PBC button or tapping MENU PBC icon.

For MPEG4/image, MENU button and MENU PBC icon are disabled, root menu is displayed on the monitor screen by pressing ■ button or tapping ■ icon.

For MP3/WMA, MENU button and MENU PBC icon are disabled, root menu displays on the monitor screen all the time. Root menu of MP3/WMA is same as the one of MPEG4/image.

For CD, MENU button icon is disabled.

7. MENU PBC icon and TITLE/PBC button
During Digital Video playback, use TITLE/PBC button to display title list; then use direction buttons to select your desired title and then press ENTER button to open the chapter list of the title; then use direction buttons to select your desired chapter and then press ENTER button to play.

* You can also tap a desired title and then chapter to play.

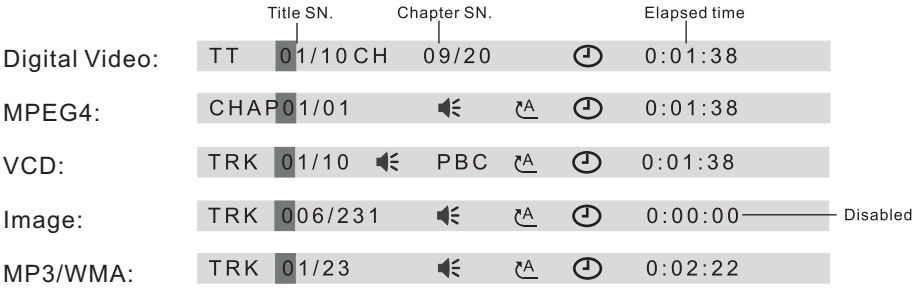
During VCD playback, use MENU PBC icon or TITLE/PBC button to switch PBC mode on or off. When PBC mode is switched on, it will play from the beginning of media till it displays a track list. When a track list is displayed, use the number buttons to select your desired track to play.

For MP3/WMA/MPEG4/image, MENU PBC icon and TITLE/PBC button are disabled.

For CD, the TITLE/PBC button is disabled.

8. GOTO icon and GOTO button
For Digital Video/MPEG4/VCD/image/MP3/WMA, you can use GOTO, ◄, ►, number and ENTER icons or GOTO, <, >, number and ENTER buttons to select a chapter /track or from a playback time point to play.

During playback, tap GOTO icon or press GOTO button to display changeable playback information bar as follows:



* During playback, tapping GOTO icon can also display the Goto Function icons-board as follows:

When displaying the changeable playback information bar, use ◄ / ► icon or < or > button to highlight title SN.(only for Digital Video) , chapter/track SN. or elapsed time of current chapter/track(disabled for image).

When highlighting title SN. or chapter/track SN. , use number icons or buttons to input desired SN. of title or chapter/track, then use ENTER icon or button to play the selected chapter/track.

When highlighting elapsed time of current chapter/track(disabled for image), use number icons or buttons to input desired playback time point for the playback time of the whole media for Digital Video/VCD and of the current chapter/track for MPEG4/MP3/WMA, then use ENTER icon or button to play from the playback time point.

For CD, GOTO button is disabled.

9. Q icon or ZOOM button
During Digital Video/VCD/MPEG4/image playback, use Q icon or ZOOM button to switch zoom mode between ZOOM 2, ZOOM 3, ZOOM 4, ZOOM ½, ZOOM 1/3, ZOOM 1/4 and ZOOM OFF.

When zooming in video/image, use direction buttons to move video/image upwards, downwards, rightwards or leftwards.

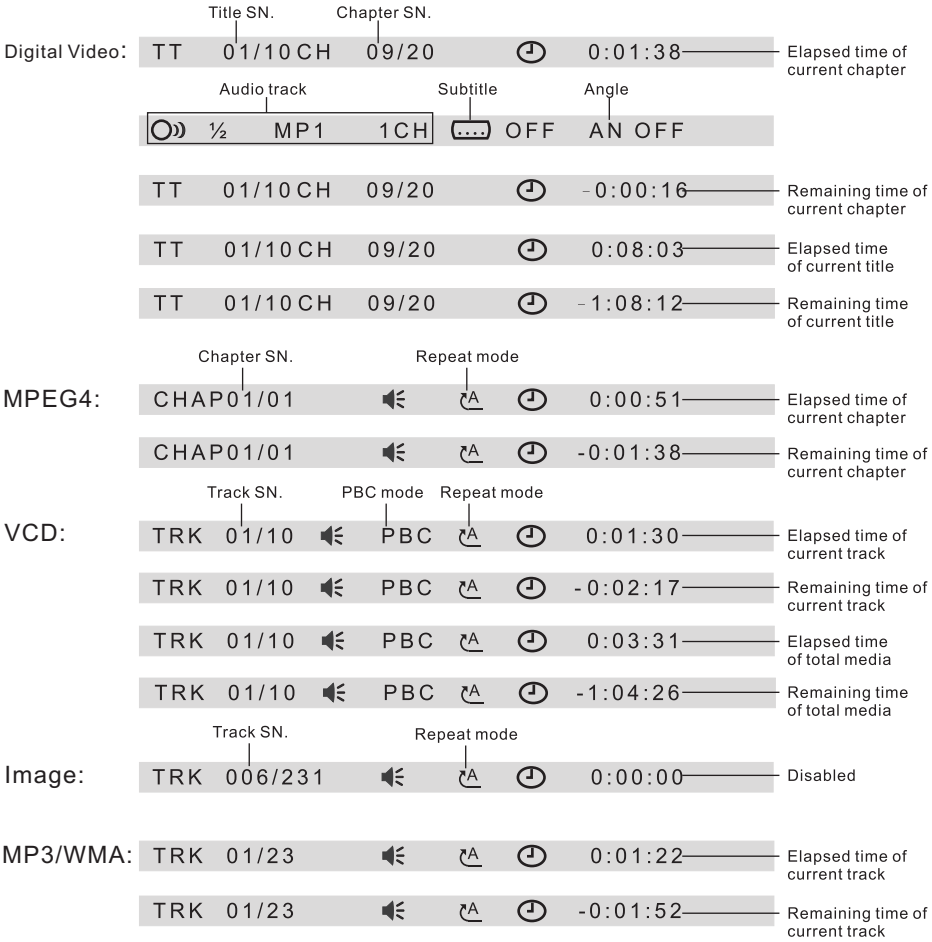
When not zooming in image, direction buttons can switch on 4 fixed rotated angles between >=90 deg cw, <=90 deg ccw, ^=UP-DOWN and LEFT-RIGHT.

For MP3/WMA, icon and ZOOM button are disabled.

For CD, the ZOOM button is disabled.

10. OSD icon or button

During Digital Video/VCD/MPEG4/Image/MP3/WMA playback, use OSD icon or button to display playback information bar as bellows:



For CD , OSD button is disabled.

11. icon or REPEAT button

During Digital Video playback, touch icon or long press RPT button to switch repeat mode between REP CHAPTER, REP TITLE, REP ALL and REP OFF.

During VCD(PBC OFF)/CD playback, touch icon or long press RPT button to switch repeat mode between REP 1, REP ALL or REP OFF.

During MP3/WMA/MPEG4/image playback, touch icon or long press RPT button to switch repeat mode between REP1,REP FOLDER(or DIR),REP ALL or REP OFF.

During VCD(PBC ON) playback, icon and RPT button are disabled.

12. icon or RDM button
During Digital Video/VCD(PBC OFF)/CD/MP3/WMA playback, tapping icon or long pressing RDM button switches random mode on or off.

For MPEG4/image/VCD(PBC ON) playback, icon and RDM button are disabled.

13. icon or INT button
During VCD/CD playback, tapping icon or long pressing INT button switches intro mode on or off.

For Digital Video/MP3/WMA/MPEG4/image, icon and INT button are disabled.

14. icon or button
During Digital Video playback, use icon or button to switch between audio tracks (depending on the current playing media).

During VCD/CD playback, use icon or button to switch audio channels between MONO L, MONO R, MIX MONO and STEREO.

For MPEG4/MP3/WMA/image, icon and button are disabled.

15. icon or button
During Digital Video playback, use icon or button to switch subtitle languages on or off(depending on the current playing media).

For VCD/MP3/WMA/MPEG4/image, icon and button are disabled.

For CD, the button is disabled.

16. ANGLE icon or button
During Digital Video playback, use ANGLE icon or long press ANGLE button to play in different angles (depending on the current playing media).

For VCD/MP3/WMA/MPEG4/image, the ANGLE icon and button are disabled.

For CD, the ANGLE button is disabled.

17. icon or SETUP button
Use icon or SETUP button to enter Media Setup Menu for setting up all media parameter values.

Use icon or SETUP button to display Media Setup Menu(the default page is SYSTEM SETUP);

Media Setup Menu has 4 pages in all. When highlighting a page, tap the aim page icon or press > or < button to highlight another page;

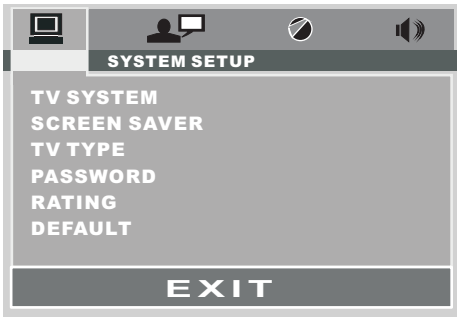
After selecting a page, tapping the aim item icon or press ^ or v button to highlight a setup item in the selected page;

After selecting a setup item, tapping the aim value; or press > button to enter the setup item, then press v or ^ button to select a desired value, finally press ENTER button to confirm it.

After finishing setting, tapping EXIT icon or press SETUP button to exit Media Setup Menu to resume normal playback.

Description of the 4 pages:

1) SYSTEM SETUP



TV SYSTEM
This setup item is for setting up video system in NTSC, PAL or AUTO .

If you set a non-matched video system for playing a video, the playing video will display white-black or flash.

SCREEN SAVER
This setup item is for switching screen saver on or off.

TV TYPE
This setup item is for setting up video display size.

(1) 4:3 PS: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the left and right part of video will be cut out, and video will display in full screen.

(2) 4:3 LB: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the top and bottom part of the monitor screen will be turned into a black square .

(3) 16:9: Choose this item when connecting a monitor with 16:9 wide screen.

PASSWORD

This setup item is for locking or unlocking parental control. The default mode is locked. The default unlocking password is 0000.

To lock or unlock parental control:

(1) Highlight PASSWORD item and then press > or ENTER button to enter it;
(2) Input password 0000;
(3) Press ENTER button to confirm, then it will unlock or lock parental control.

* Remove the section of the PASSWORD of the User Manual to keep this sensitive information confidential.

RATING

This setup item is for setting a new rating level of parental control.

(1) First highlight PASSWORD item to see whether parental control is locked or not. If it is in locked mode, unlock parental control referring to PASSWORD above.
(2) Highlight RATING item and press > or ENTER button to enter it, then use ^ or v button to select your desired rating level, and then press ENTER button to confirm.
(3) Highlight PASSWORD item again and then press > or ENTER button to enter it, then input password 0000, and press ENTER button to lock parental control again.

DEFAULT

This setup item is to change all parameter back to the default factory values.

2) LANGUAGE SETUP

OSD LANGUAGE
This item is for selecting the type of language displayed on the screen except for subtitle language and menu language(depending on current playing media).

AUDIO LANG
This item is for selecting the type of audio language(depending on current playing media).

SUBTITLE LANG
This item is for selecting the type of subtitle language(depending on current playing media).

MENU LANG
This item is for selecting the type of menu language(depending on current playing media).

3) VIDEO SETUP

BRIGHTNESS
For adjusting brightness of video output.

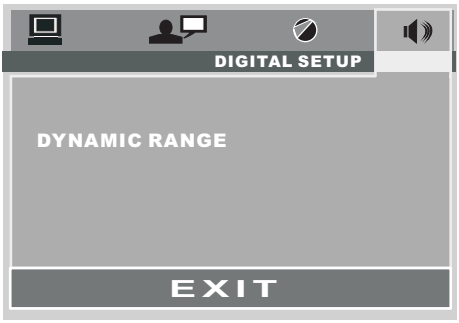
CONTRAST
For adjusting contrast of video output.

HUE
For adjusting hue of video output.

SATURATION
For adjusting saturation of video output.

SHARPNESS
For adjusting sharpness of video output.

4) **DIGITAL SETUP**



DYNAMIC RANGE
This item is for adjusting linear compression ratio. If you set it to FULL, Peak-to-Peak value of audio signal is minimum; if you set it to OFF, Peak-to -Peak value is maximum.

* Region Code

If you insert a disc into the disc slot and REGION ERROR is displayed, the car multi-media system can not play the disc. The reason is that the region codes of the car multi-media system and the used disc do not match each other.

Appendix: Region code of Digital Video

Motion Picture Association of America (MPAA) divided the world into 6 regions, and gave every region a region code for locking and unlocking Digital Video playback.

Basically, a coded Digital Video player can play only the discs if its region code is the same as the code of the Digital Video player. Otherwise, it cannot play the disc.

Please note that only the Digital Video discs and Digital Video players produced by the 8 biggest film-making companies of America impose this restriction. The Digital Video discs and Digital Video players not produced by the 8 biggest film-making companies of America are not restricted by the rule of region code. Generally, they are called Free Region Code or Full Region Code.

The problems caused by area code inconsistency has motivated the production of unlocked version Digital Video players and recodable Digital Video players .

Region codes and the countries or areas represented by region codes are as follows:

Region 1: America, Canada, East-Pacific Inlands;
Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
Region 3: South-east Asian countries include Taiwan, Hong Kong, South Korea, Thailand, indonesia, etc.;
Region 4: Australia, New Zealand, Central South America, South Pacific Inlands;
Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North Korea, North Africa, North-west Asia etc.;
Region 6: China mainland.

The 8 biggest film-making companies of America are as follows:

1. WarnerBros;
2. Columbia;
3. 20thCenturyFOX;
4. Paramount;
5. Universal;
6. UA(UnitedArtist);
7. MGM(MetroDogwynMayer);
8. WaltDisney

* Parental Control

Q: After inserting a Digital Video disc into the disc slot, if a dialogue box pops up and asks you to input a password, what should you do ?

A: The playing disc is locked by a rating level of parental control. If the current rating level of parental control of the Digital Video player is lower than the one of current disc, you must input the correct password of parental control to unlock the parental control and enter a rating level equal to or higher than one of the current disc in order to play the disc.

* For factory preset password of parental control of Digital Video player, please see the part of Media Setup Menu.

Appendix: Parental Control

Parental Control function of a Digital Video player can control playback of movie ratings on a disc. You can set the Digital Video player to be a certain rating level of parental control using the Media Setup Menu. If the rating level of parental control of a disc is higher than the one of the Digital Video player, the Digital Video player cannot play the disc.

The Digital Video movie can be designed so that the Digital Video player can play different versions of content of a particular movie according to the different rating levels of parental control. Depending on the Digital Video features, the scenes that are not suitable for children will be cleared or replaced by suitable scenes automatically.

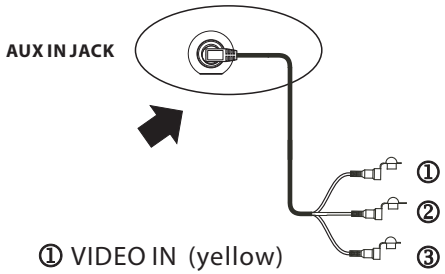
The rating levels of Parental Control are as follows:

1 Kid Safe
2 G
3 PG
4 PG 13
5 PG R
6 R
7 NC 17
8 Adult

AUX IN operation

An external AV system can use the car AV system as monitor and amplifier.

1. Use an AV cable to make the car AV system and the external AV system connected through the AUX IN jack on control panel of the car AV system and the AV Out jacks of the external AV system.

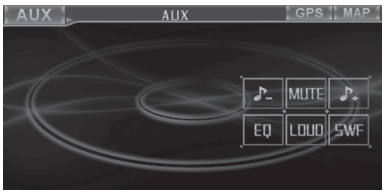


① VIDEO IN (yellow)

② RCH IN (red)

③ LCH IN (white)

2. Play the external AV system, then use MODE button or Source Menu to enter AUX IN mode for the car AV system. By now, the program played by the external AV system can be output through the monitor of the car AV system and the speakers connected to the car AV system.



* The icons on the AUX interface descript as follows:

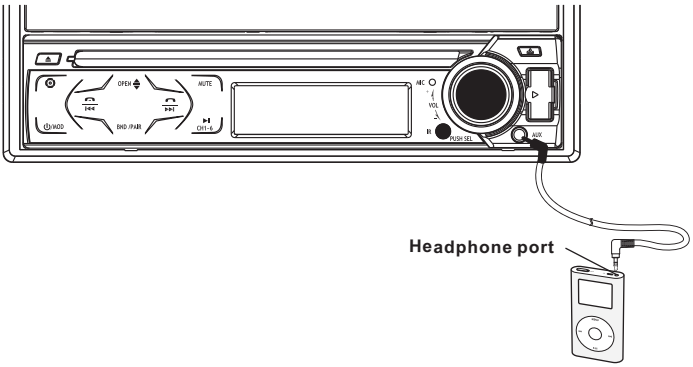
and icons = VOL- and VOL+ buttons = VOL knob
MUTE icon = MUTE button
EQ icon = EQ button
LOUD icon = long pressing LOUD button
SWF icon = long pressing SW button
AUX icon: To enter source menu
GPS icon : refer to the part of the GPS operation
MAP icon : refer to the part of the GPS operation

3. In AUX IN mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

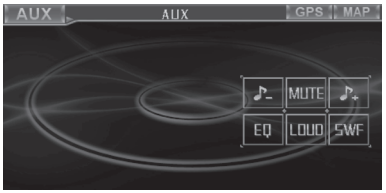
External iPod operation

An external iPod can use the car AV system as a monitor and amplifier.

1. Use the iPod cable to make the car AV system and the external iPod connected through the AUX IN jack on control panel of the car AV system and the headphone port of the external iPod.



2. Play the external iPod, then use MODE button to enter AUX IN mode for the car AV system. By now, the program played by the external iPod can be output through the monitor of the car AV system and the speakers connected to the car AV system.



* The icons on the AUX interface descript as follows:

and icons = VOL- and VOL+ buttons = VOL knob
MUTE icon = MUTE button
EQ icon = EQ button
LOUD icon = long pressing LOUD button
SWF icon = long pressing SW button
AUX icon: To enter source menu
GPS icon : refer to the part of the GPS operation
MAP icon : refer to the part of the GPS operation

3. In AUX IN mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

REAR VIEW CAMERA

The car AV system can make you look at the actual status behind your car when you change the gear level to the back position.

1. Use an video cable to make the car AV system and the rear view camera connected through the REAR CAMERA INPUT jack in the rear cabinet of the car AV system and the VIDEO OUTPUT jack of the rear view camera.

   Make the REAR CAMERA SWITCH line in the rear cabinet of the car AV system connected to (B+)12V power supply.

2. When you change the gear level to the back position, the screen of the car AV system will display the actual status behind your car.

* Note : the external monitor can not display the actual status behind your car.

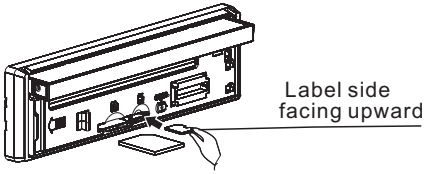
Operation of GPS module

1. GPS Navigation

1. Loading GPS card

Before setting GPS path and entering GPS navigation mode, must load a GPS card with navigation map program file into the GPS card slot.

firstly press REL button to detach control panel, then hold the right part of the control panel and pull upwards a little and to you to remove it, and then insert the GPS card with label side upward and contact end frontward into the GPS card slot as the following fig., and then attach control panel onto chassis again.



2. Setting GPS path

After loading GPS card and before entering GPS navigation mode, must set the GPS path to a executale navigation map program file.

Touch SETUP icon on source menu to pop up page1 of SETTINGS MENU, then touch the item of GPS PATH SETTING to pop up GPS PATH interface as follows:

GPS PATH

: to enter the card in the GPS card slot and select a desired executable navigation map program file(generally the extension name of an executable navigation map program file is exe) .

AUTORUN : If touching the white rectangle for ticking it, it will enter GPS mode automatically after resetting the unit or switching the ignition off and then power on the unit again.

NAVI VOI : If touching the white rectangle for ticking it, in radio, disc, USB, card, AUX IN, TV or BT music mode and displaying No Video interface, touching MAP icon in the top right corner to enter GPS mode, the video on the monitor screen is the performance of the navigation map, the audio of radio, disc, USB, card, AUX IN, TV or BT music and the navigation voice are available. When outputting navigation voice, the audio of radio, disc, USB, card, AUX IN, TV or BT music is mute; when no outputting navigation voice, the audio of radio, disc, USB, card, AUX IN, TV or BT music is available.

Back : to exit to the page1 of SETTINGS MENU.

3. Entering GPS navigation mode.

After loading a GPS card with an executable navigation map program file and set the GPS path to the executable navigation map program file, touch the GPS icon in the source menu or touch the GPS or MAP icon in the top right corner of the No Video interface of radio, CD, non-CD disc,USB, card, TV, AUX IN and BT music to enter GPS navigation mode.

About navigation operation for details, please refer to the User Manual of the navigation map.

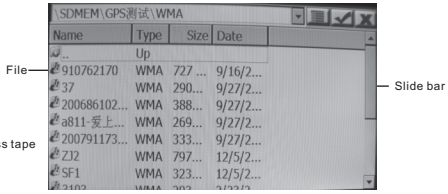
* If you want not to exit the GPS mode but enter into the other work sources of radio, disc, USB, card, TV, AUX IN or BT music, use MODE button; after entering the other work source, you can directly enter the previous status of the navigation mode before entering the other work source.

2. MEDIA/PHOTO/VIEWER

Media Operation

After loading a GPS card with MP3/WMA/MPEG4 files, touch MEDIA icon in the source menu to enter media mode and pop up the media interface as follows:

Media interface



Track/chapter list of current MP3/WMA/MPEG4

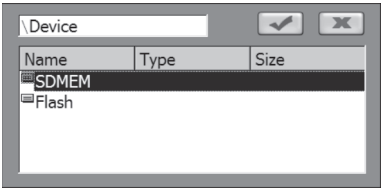
: to pause or resume playback.
and : to play next or previous track/chapter after selecting more than 2 tracks.
: to mute or resume sound.
: to enter full-screen mode for MPEG4 or to pause or resume playback for audio.
and : to increase or decrease volume level.
: to enter the track/chapter list of current MP3/WMA/MPEG4.
: to exit to source menu.
Sreen except key board: pause or resume playback.
progress tape: touch it in progress tape to skip forward or backward to this point.

: to open the folder list of the GPS card.
File : touch a or some files to select it or them.
: to select all tracks/chapter in the current MP3/WMA/MPEG4 folder.
: to play the selected track(s)/chapter(s).
: to exit the track/chapter list to media interface.
Name : to reorder the tracks/chapters in the current folder by file name.
Type : to reorder the tracks/chapters in the current folder by file type.
Size : to reorder the tracks/chapters in the current folder by file size.
Date : to reorder the tracks/chapters in the current folder by file date.
Slide bar: slide it to slide the track/chapter list down or up.

Photo Operation

After loading a GPS card with photo files, touch PHOTO icon in the source menu to enter photo mode and pop up the photo interface as follows:

Photo interface



GPS card path interface

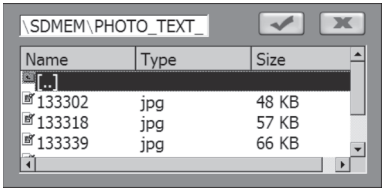
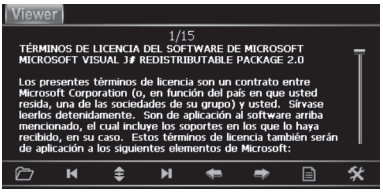


Photo list

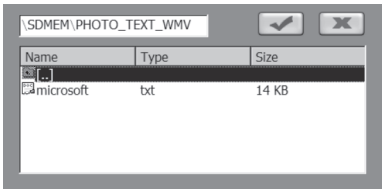
: to enter the GPS card path interface.
: to enter.
: to exit to photo interface.
SDMEM : to enter the data folders list step by step and finally enter photo list.
[..]: To return back to previous interface.
Slide bar: to slide the photo list downward/upward or rightward/leftward.
File : to enter photo interface again and display the photo of this file.
: to zoom out the current photo.
: to display the current photo with the scale of 1:1.
: to zoom in the current photo.
: to display previous photo with the scale of 1:1.
: to display next photo with the scale of 1:1.
: to enter full-screem mode.
Photo : to exit the photo interface to source menu.

Viewer Operation

After loading a GPS card with e-book files its extention name are txt, touch VIEWER icon in the source menu to enter viewer mode and pop up the viewer interface as follows:

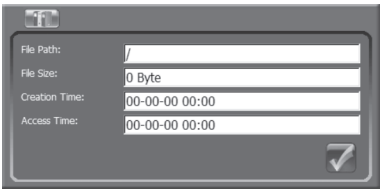

Viewer
1/15
TÉRMINOS DE LICENCIA DEL SOFTWARE DE MICROSOFT MICROSOFT VISUAL J# REDISTRIBUTABLE PACKAGE 2.0
Los presentes términos de licencia son un contrato entre Microsoft Corporation (o, en función del país en que usted resida, una de las sociedades de su grupo) y usted. Sírvase leerlos detenidamente. Son de aplicación al software arriba mencionado, el cual incluye los soportes en los que lo haya recibido, en su caso. Estos términos de licencia también serán de aplicación a los siguientes elementos de Microsoft:

Viewer interface

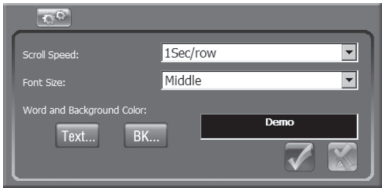


E-book list

: to enter the GPS card path interface.
SDMEM : to enter the data folders list step by step and finally enter e-book list.
File : to enter viewer interface again and display the e-book of this file.
: to the home page.
: to automatically slide page upward or stop sliding.
: to the end page.
: to previous page.
: to next page.
: to pop up the information interface of the current e-book.
: to pop up the e-book setting interface.
Viewer : to exit viewer interface to source menu.

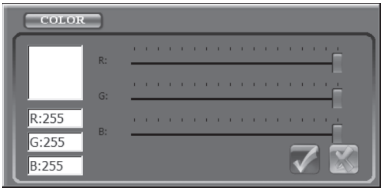


information interface of the current e-book

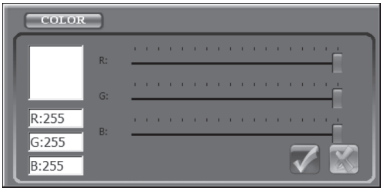


E-book setting interface

: to exit the information interface of the current e-book to viewer interface.
: touch it to open the scroll speed list and then touch one of them to set it.
: touch it to open the font size list and then touch one of them to set it.
Text... : to pop up the word color setting interface.
BK... : to pop up the background color setting interface.
: to confirm the setting and exit to viewer interface.
: to exit to view interface.



Word color setting interface



Background color setting interface

R slide bar : to set tint of red color.
G slide bar : to set tint of green color.
B slide bar : to set tint of blue color.
: to confirm setting and exit to the e-book setting interface.
: to exit to the e-book setting interface.

Calculator and Calendar

1. Calculator

Touch CAL icon in source menu to pop up calculator interface as follows:

Calculator interface

MC : to clear the number in the memory.
MR : to display the number in the memory as inputting a number during arithmetic operation.
MS : to store the current displaying number in the memory and display M in the left side of the display frame.
M+ : to make the current displaying number and the number in the memory plused and store it in the memory.
+/- : to change the current displaying number into positive or negative one.
CE : to clear the current displaying number.
C : to reset the calculator to zero.
← : to clear the last input digit.
CAL : to exit to source menu.

* The memory can store only the last number.

2. Calendar

Touch DAY icon in source menu to pop up calendar interface as follows:

Calendar interface

13 : to select the desired date.

October : to select the desired month.

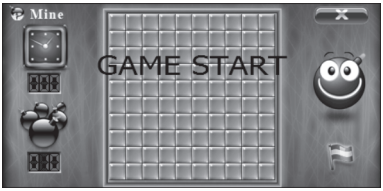
2011 : to select the desired year.

DAY : to exit to source menu.

GAME

1. MINE

Touch MINE icon in source menu to pop up MINE game interface as follows:



MINE game interface

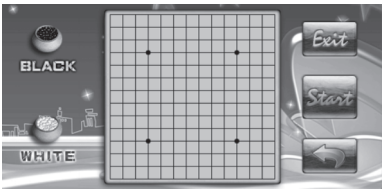
LINK game interface

2. LINK

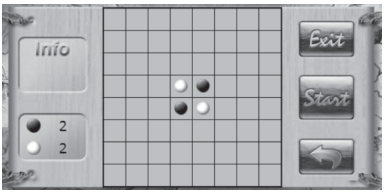
Touch LINK icon in source menu to pop up LINK game interface as above.

3. FIVE CHESS

Touch FIVE CHESS icon in source menu to pop up FIVE CHESS game interface as follows:



FIVE CHESS game interface



BW CHESS game interface

4. BW CHESS

Touch BW CHESS icon in source menu to pop up BW CHESS game interface as above.

5. MOLE

Touch MOLE icon in source menu to pop up MOLE game interface as follows:

MOLE game interface

Troubleshooting

Please read the user manual carefully before using the car A/V system. If you have any difficulty using this car A/V system, refer to the troubleshooting guide. If you are still unable to resolve the problem after using all the suggestions, please contact your dealer or an authorised service centre .

NO PICTURE, SOUND

* Ensure that the power switch is on.
* Ensure that the power cord is not damaged or the fuse is not blown.

NO SOUND BUT HAVE PICTURE

* Ensure that the player's audio output is properly connected to the speaker's audio input.
* Check whether the audio connector is damaged.
* Check whether you have turned down the volume.
* Ensure that the audio is not in MUTE mode.

BLACK AND WHITE PICTURE OR SCREEN ROLLING

* Ensure that you have set right mode of video system (e.g. PAL, NTSC).

FLAWS OF PICTURE OR SOUND

* Check whether disc is scratched or stained.
* Check whether AV connector and output terminal is stained.
* Check whether there is condensation inside the lens. If so, power on the player and do not work for an hour or so, then try again.

DISPLAYS: NO DISC OR BAD DISC

* Ensure that you have inserted a disc into the disc slot.
* Check whether disc is inserted with label side upwards.
* Check whether disc is bent.
* Check whether disc is stained or scratched badly.
* Ensure that disc format is compatible to the player.
* Ensure that temperature inside the car is not too high. If so, cool off until the ambient temperature returns to normal.
* Insert another disc into the disc slot.

REMOTE CONTROL IS INSENSITIVE OR DOES NOT WORK

* Check whether the lithium cell of the remote control is powerful and working properly.
* Direct the IR emitting window of the remote control to the IR sensor of main unit.
* Check whether there are some obstacles between remote control and main unit.

SOME FUNCTION BUTTONS DO NOT WORK

* Turn off ACC power, then turn on again.
* Reset unit to zero, then turn on again.
* Remove control panel from chassis, reattach it onto the chassis and then turn it on again.

RADIO DOES NOT WORK

* Check whether antenna cable is connected firmly.
* Manually tune for a station.

Specification

General
Power Supply Requirement.....DC 12V
Current consumption.....15A MAX.

Audio
Signal Output.....2ch&4ch line out
Frequency Response.....20 Hz - 20 KHz
S/N Ratio.....90 dB (JIS)
Wow and Flutter.....Below measurable limits

TFT Monitor
Monitor Screen Size.....7 Inch Wide
Resolution.....1440 X 234 dots
Color System.....NTSC/PAL

Disc/USB/Card
Compatible Format....Digital Video/MPEG4/VCD/IMAGE/MP3/WMA/CD

Radio
FM
Frequency range.....87.5MHz - 107.9MHz
Usable sensitivity.....15dBu
I.F Frequency.....10.7MHz
MW
Frequency.....530KHz - 1710KHz
Usable sensitivity.....40dBu
I.F Frequency.....450KHz

TV
TV System.....NTSC/PAL/SECAM
TV Sensitivity.....45dB uV@CH25 in average

BT:
BT specification.....V1.2 Class 2
BT profile supporte.....
.....Headset, Handsfree and A2DP & AVRCP profiles
Range of frequency.....2.4GHz Spectrum

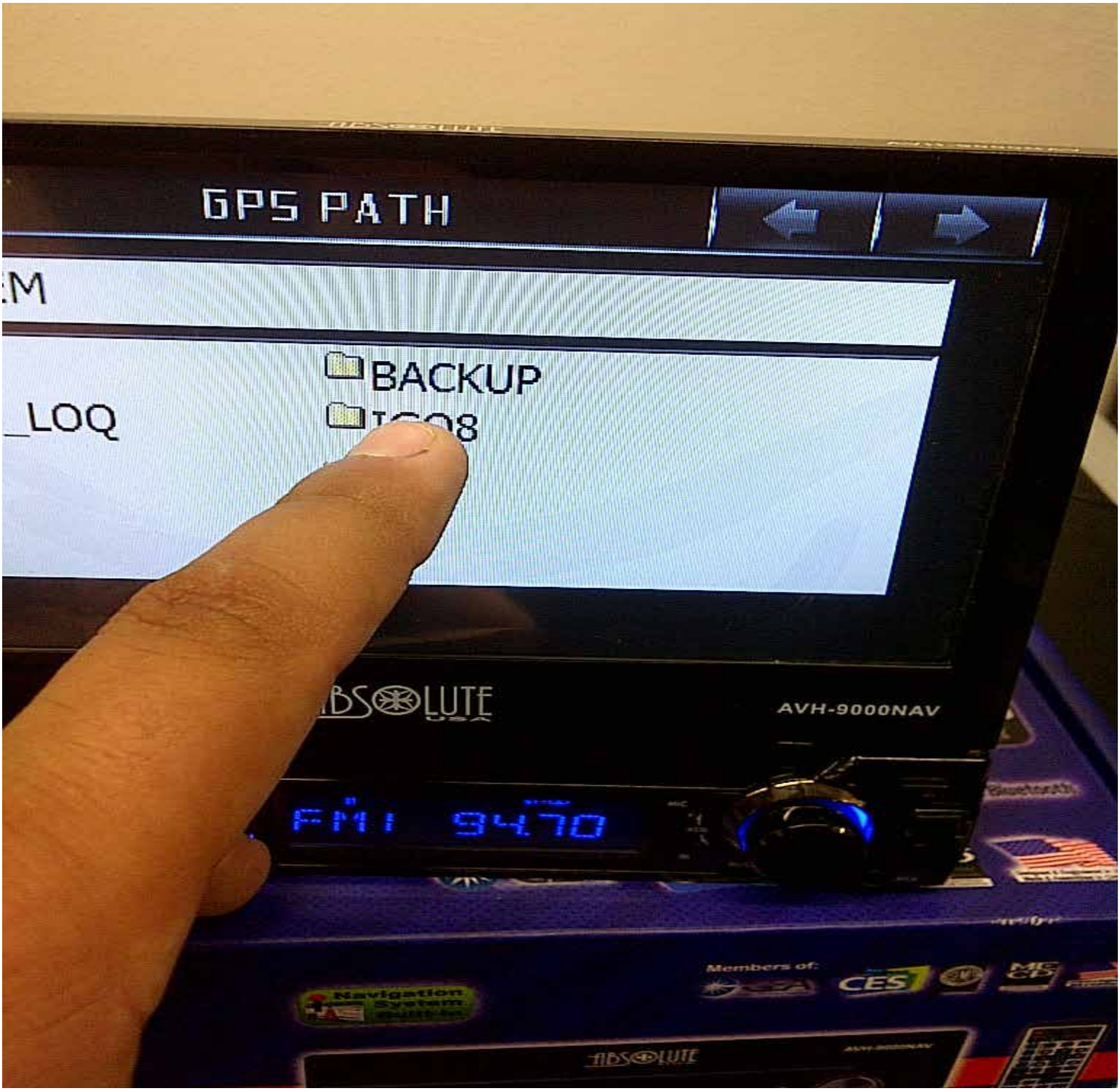
NOTE:
Specification and design are subject to modification, without notice, due to improvements in technology.

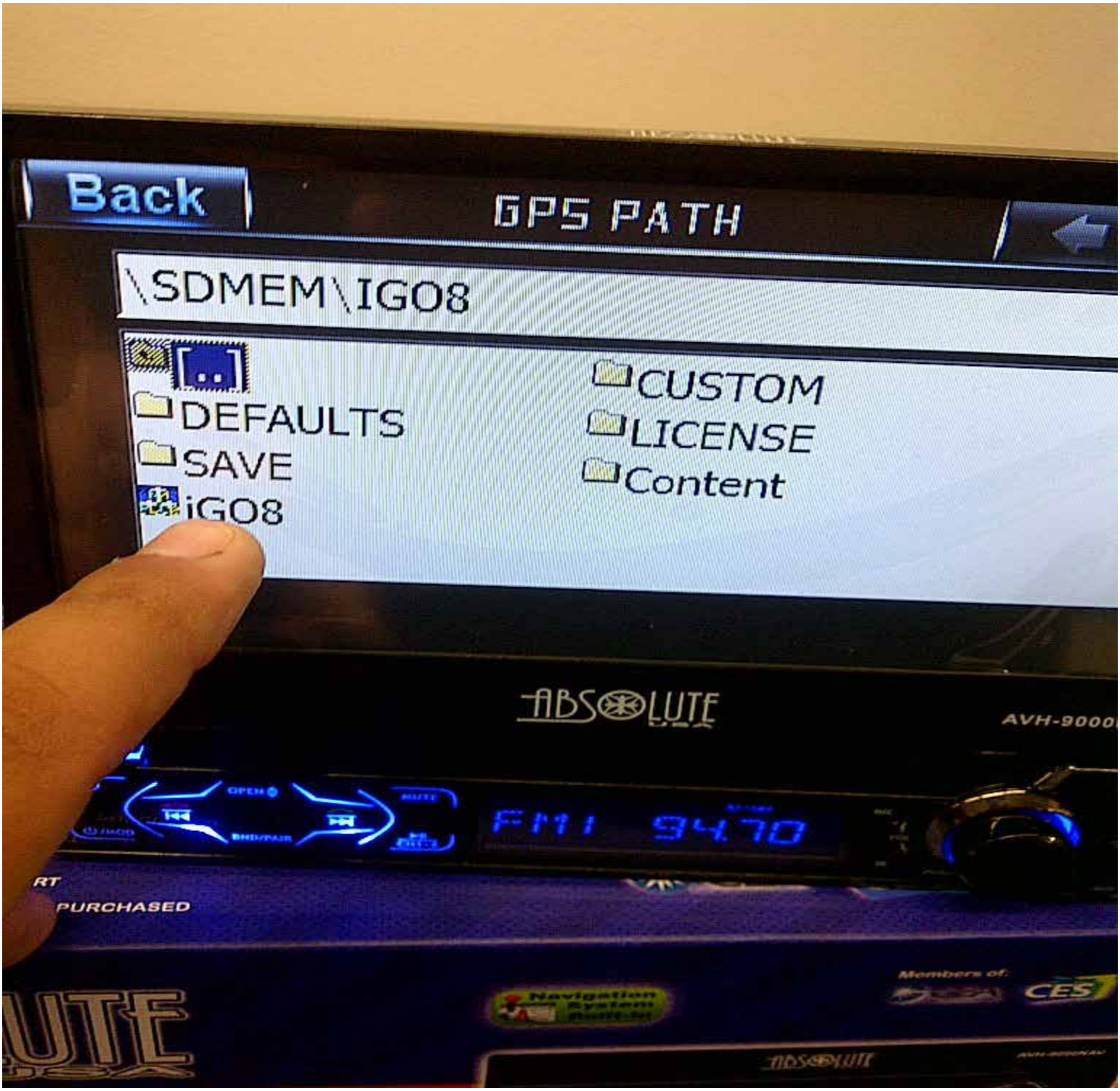
88-J8309-04

12:07 AM
AUX
TV
TOOL
GAME
SETUP
RADIO
GPS
AVH-9000NAV

SETTINGS MENU
SYSTEM SETTING
SOUND SETTING
BACKGROUND SETTING
GPS PATH SETTING
PAGE 1/3
LUTE
9470

Back
GPS PATH
\Device
SDMEM
ABSOLUTE
AVH-9000NAV
FM1 9470


GPS PATH
BACKUP
AVH-9000NAV
FM1 9470
Members of:
CES


Back
GPS PATH
\SDMEM\IGO8
[..]
DEFAULTS
SAVE
iGO8
CUSTOM
LICENSE
Content
ABSOLUTE
AVH-9000
FM1 9470
PURCHASED
Members of:
CES

Back
GPS PATH
SELECT SOFTWARE PATH:
\SDMEM\IGO8\iGO8.exe
AUTORUN
NAVI VOI
AVH-9000NAV